IQ PANEL

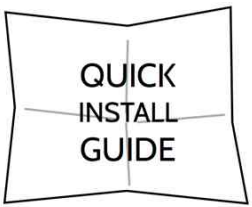
The Qolsys IQ Panel is a 7" touchscreen built with an Android operating system, providing full security and home control functionality in an easy to use interface.

INSTALLATION MANUAL

INCLUDED IN BOX

IQ Panel

Power Supply



SUPPORT

QUESTIONS?

Contact us at
techsupport@qolsys.com

ABOUT THIS GUIDE

This document outlines the basic hardware specifications and software directions to install and customize the IQ Panel. Note that the information presented is not comprehensive, but is specifically dedicated to those menus, features, and systems accessible solely to those with the proper installation code. Features accessible to users and installers alike are outlined in the IQ Panel User Guide. The information contained is confidential and proprietary, and is solely owned by Qolsys Inc. Any reproduction, modification or distribution without permission is strictly prohibited.

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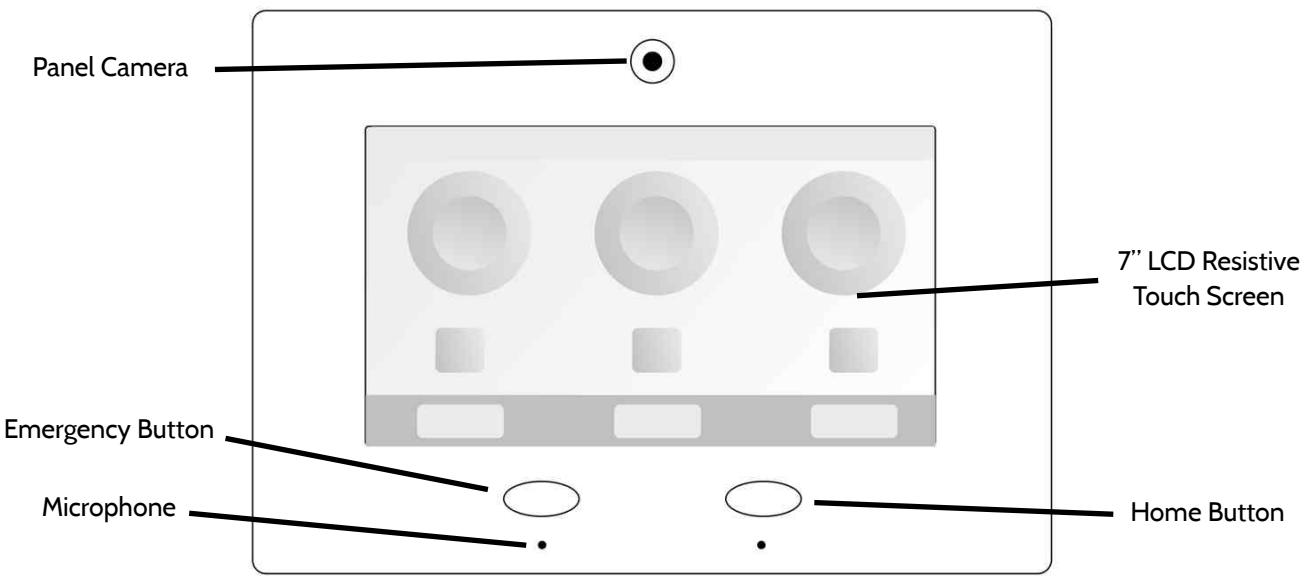
HARDWARE

EXTERIOR FRONT



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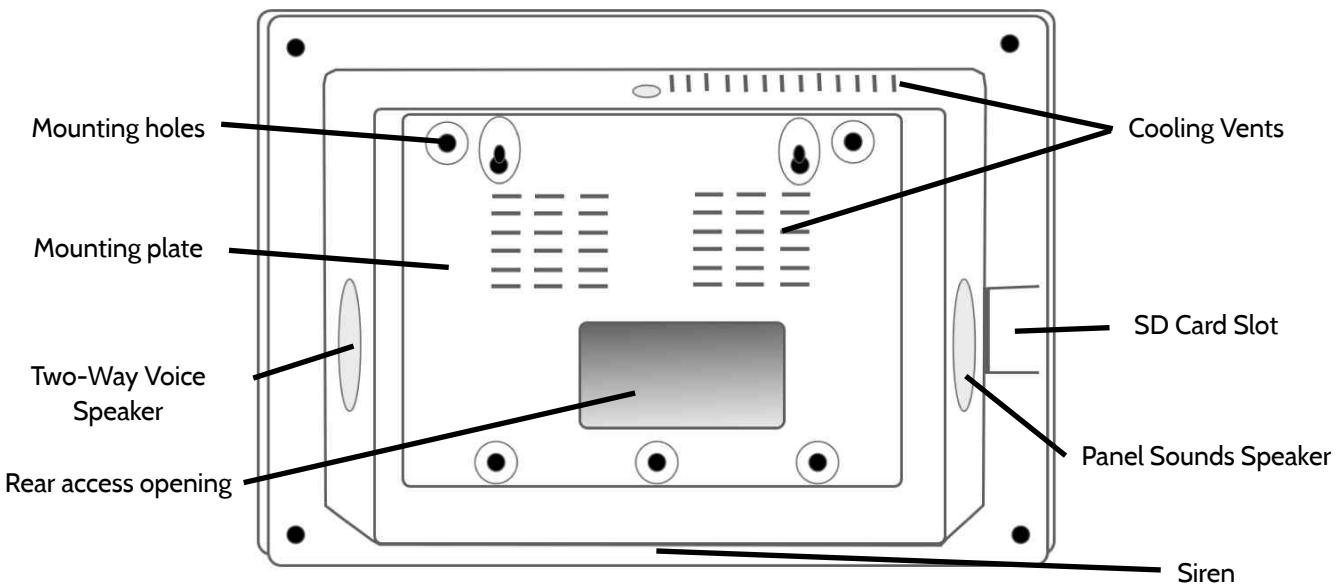
EXTERIOR BACK



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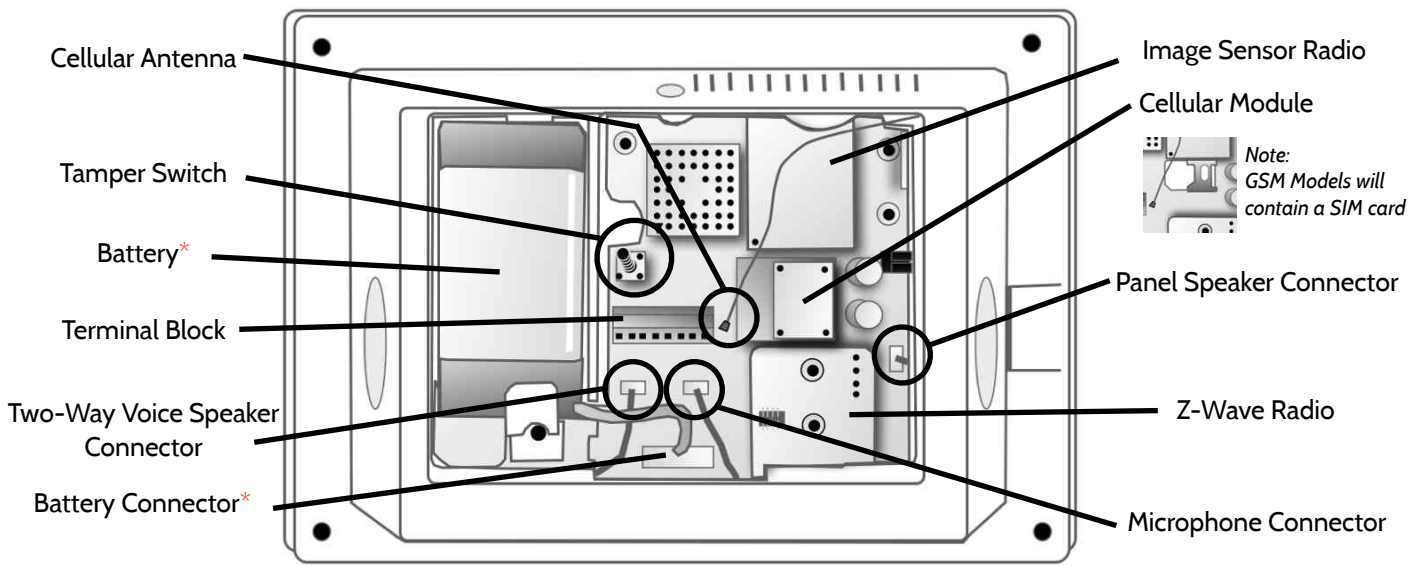
INTERIOR



***CAUTION** The battery should NEVER be disconnected from the panel. Failure to comply may result in data corruption, panel failure, and a void of the manufacturer's warranty

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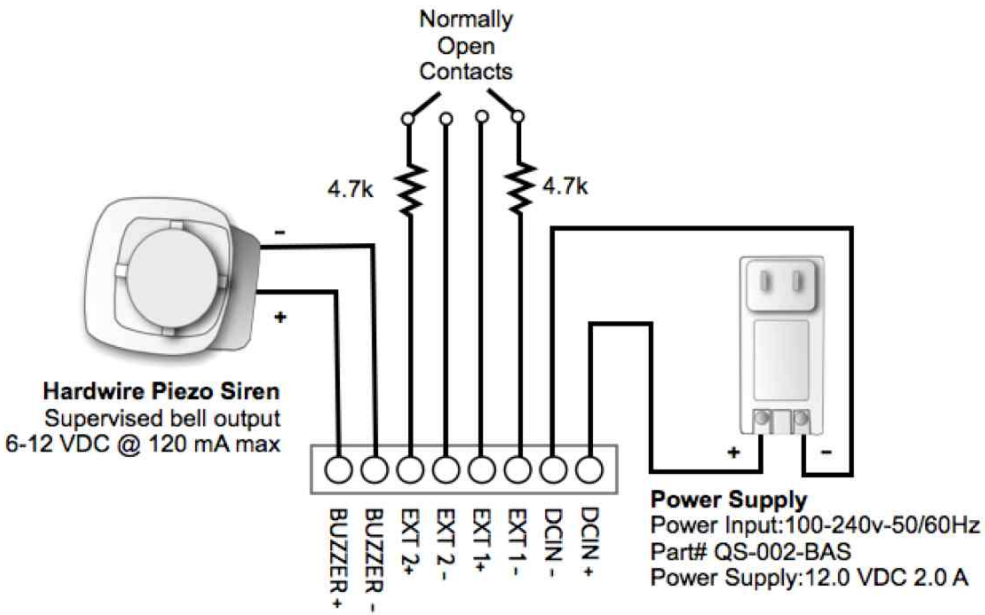
WIRING DIAGRAM



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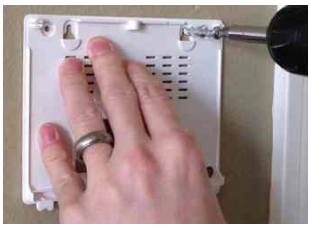
INSTALLING THE BACK PLATE

Remove the retainer screw and place in a safe location

Remove the back plate from the panel by pulling downward from the top



Secure one corner of the plate in the desired location, be sure to position rear access opening over the location of your wires

Ensure the plate is level and secure to wall with mounting hardware *(not provided)*

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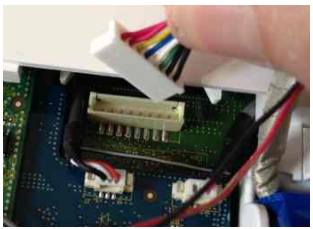
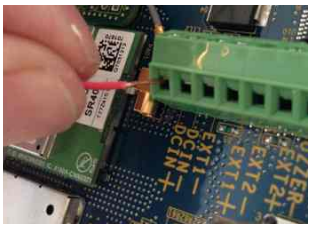
POWERING THE PANEL

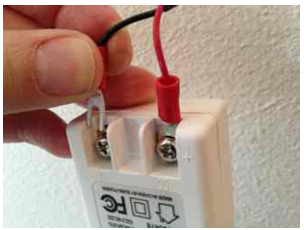
Hang the panel's suspension strap on the hook mounted to the back plate.



Plug in battery connector



Connect wires from power supply to terminal block.
Red- DCIN +
Black- DCIN-



Connect wires to Power Supply terminals.
Red- Positive
Black- Negative

CAUTION: Once connected, DO NOT unplug the battery. Disconnecting the battery may result in data corruption or panel failure and a void of the manufacturer warranty.

IMPORTANT: Reversing polarity on these wires may cause damage to the IQ Panel.

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MOUNTING THE HARDWARE

Insert plug into receptacle and secure with provided hardware.

WARNING: DO NOT CONNECT TO A RECEPTACLE CONTROLLED BY A SWITCH OR HIGH VOLTAGE.

Seat bottom of panel onto back plate and tilt upward until it snaps in place.

Replace retainer screw and tighten

Once connected to primary power, panel should power up within 30-45 seconds

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SOFTWARE

HOME SCREEN OVERVIEW

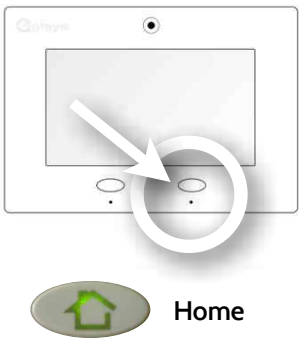
The home screen is divided into three sections. The header shows date, and time and is color coded to show current status. The Primary User Interface contains the panel apps, and the footer holds settings, help, and the dealer contact portal.

Header or "Status" Bar

Primary User Interface

Footer or "Help" Bar

FIND IT



Home

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HEADER OR "STATUS" BAR

The header or "Status" bar is color coded based on system status, and shows the date, time, and current status.

Green LED when disarmed
Red LED when armed

The panel's "Panic" and "Home" buttons also illuminate to show panel status. These LED lights will NOT illuminate if the panel is running on battery only

Feb 26, 2013	SYSTEM READY - DISARMED	Tue - 03:07 PM

The **green** header is labeled "System Ready – Disarmed" and indicates that all of the sensors are closed and the system is ready to be armed.

Feb 26, 2013	SYSTEM NOT READY - DISARMED	Tue - 03:10 PM

The **yellow** header is labeled "System Not Ready – Disarmed" and indicates that one or more of the sensors are open. Touch the bar to see a list of all open or tampered sensors.

Feb 26, 2013	SYSTEM ARMED- AWAY MODE	Tue - 03:12 PM

The **red** header is labeled "System Armed" and indicates the arming type (Stay or Away)
Note: When armed, the home button and panic button will glow red.

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FOOTER

The footer bar contains the Settings App, Help and Dealer portal

Settings
Access panel installation and customization options. This area requires a valid Installer or Master code and provides varied access by user permission level.

Help
Access video tutorials, FAQs, and URLs for other documentation.

Contact Us
Access security provider contact information including phone numbers, website and e-mail address for support and service.

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SETTINGS

To access Settings you must enter a code, however only the installer code has access to installation options. **The Master Code does NOT have access to the installation menu.**

Default Installer Code

1111

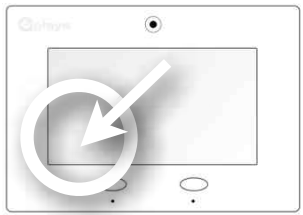
Access to all functions to install and customize the panel and peripherals

Default Master Code

1234

Access to limited functions, including editing sensor names, user management, and connecting to Wi-Fi

FIND IT



Settings

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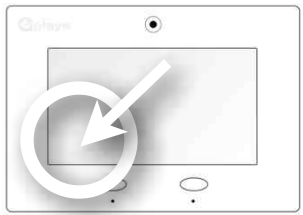
SETTINGS MENU

FIND IT



Settings

- [x] Installer Code Access
- [x] Master Code Access

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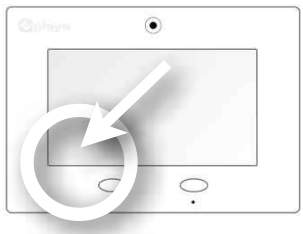
INSTALLATION

INSTALLATION

FIND IT



Settings

Installation

- [x] Installer Code Access
- [ ] Master Code Access

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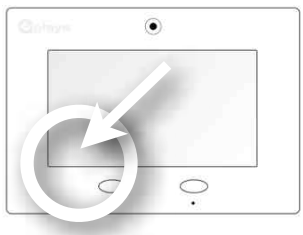
INSTALLATION SETTINGS

Setting	Default	Description
Installer Code	1111	Set name and code to access installer-level settings
Master Code	1234	Set name and code to access primary end user-level settings
Weather Temperature	F	Select whether weather app displays in Fahrenheit or Celsius
Languages	English	Change the panel user interface into one of several different languages. English, Spanish, French or Portuguese. NOTE: Installation menus will ALSO be changed
Loss of Supervisory Signals	4	Select how long to wait before indicating in the "Status" app that a device is non-responsive. (4 , 12, or 24 hours)

FIND IT



Settings

Installation

Installation Settings

☑ Installer Code Access
☐ Master Code Access

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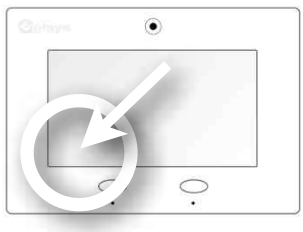
SECURITY ACCOUNT

Setting	Default	Description
Account Number	blank	Security provider account number (up to 10 characters)
Power Management	Enabled	Energy-saving functionality when running on battery power only
Power Management Sleep Timeout	1	Panel initiates power management mode a specified number of minutes after last touch
SIA Power Restoration	Disabled	Turn on or off sensor hold for 60 seconds during power restoration
Loss of Supervisory Signals	4	Select how long to wait before indicating in the "Status" app that a device is non-responsive. (4 , 12, or 24 hours)
SIA Limits	Enabled	When **enabled**, the range for entry and exit delays is as follows: -Entry delay: 30-240 seconds,Exit Delay: 45-254 seconds When **disabled**, the range for entry and exit delays are as follows: -Entry delay: 5 to 240 seconds, Exit delay: 5 to 254 seconds
Weather Temperature	F	Select whether weather app displays in Fahrenheit or Celsius

FIND IT



Settings

Installation

Security Account

- [x] Installer Code Access
- [ ] Master Code Access

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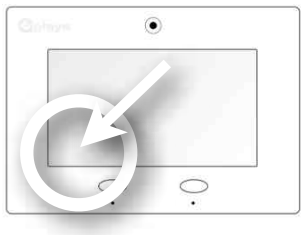
SECURITY ACCOUNT

Setting	Default	Description
Languages	English	Change the panel user interface into one of several different languages. NOTE: Installation menu will ALSO be changed
Home Screen	Theme 2	Optional layout(s) for home screen. NOTICE: Instructions in this document are based on Theme 2. Locations of apps may be different using optional themes

FIND IT



Settings

Installation

Security Account

- [x] Installer Code Access
- [ ] Master Code Access

SECURITY SENSORS

Security Sensors
In the security sensor app you add, edit, or remove security devices. The IQ Panel can support up to a total of 64 different security sensors. *(5 of the 64 slots are dedicated to Image Sensors)*

Auto Learn Sensor
Pair sensors quickly by tampering and then editing information

Add Sensor
Pair sensors manually by typing in device information

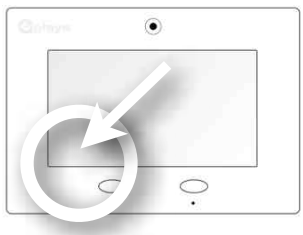
Edit Sensor
Make changes to existing sensors

Delete Sensor
Remove sensor

Sensor Status
See current status of all security sensors

Sensor Group
Quick reference to all sensor groups and their actions

FIND IT



Settings

Installation

Security Sensors

- [x] Installer Code Access
- [ ] Master Code Access

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AUTO LEARN SENSOR

1. Select "Auto Learn Sensor"

2. Look for message at bottom of screen above footer. **"Press Tamper or trip the sensor. Image Sensor learning times out in 4 mins."**

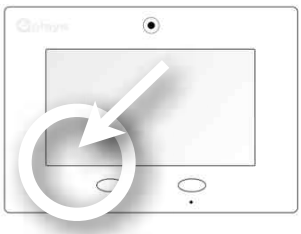
3. Tamper sensor

4. Click "OK" when you hear the panel chime

5. Adjust the sensor information by touching the fields and making the appropriate selections. **(NOTE: These same fields can be edited later from the "Edit Sensor" app)**

6. Click "Add" to save the information and complete the process. Adjustments can be made later from "Edit Sensor" app

FIND IT



Settings

Installation

Security Sensors

Auto Learn Sensor

☑ Installer Code Access
☐ Master Code Access

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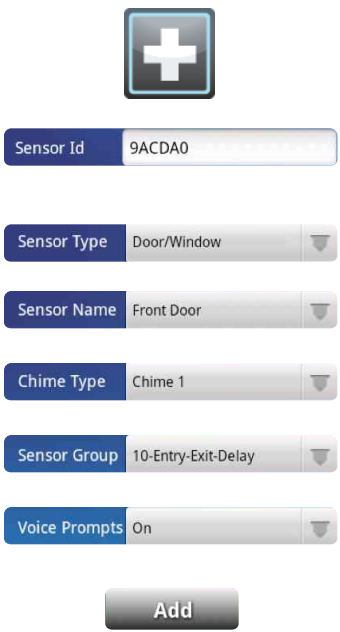
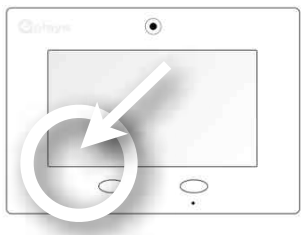
ADD SENSOR



1. Select "AutoLearn Sensor" **(NOTE: These same fields can be edited later from the "Edit Sensor" app)**
2. Tap the field marked "**Sensor ID**" to open the keyboard. Enter the DL number written on the back of the device and touch "Done"
3. Choose sensor **type** from list
4. Choose sensor **name** from list
5. Choose **chime type** from list
6. Indicate **sensor group** from list
7. Indicate whether you want **voice prompts** on or off
8. Click "Add" to save the information and complete the process.

FIND IT



Settings

Installation

Security Sensors

Add Sensor

☑ Installer Code Access
☐ Master Code Access

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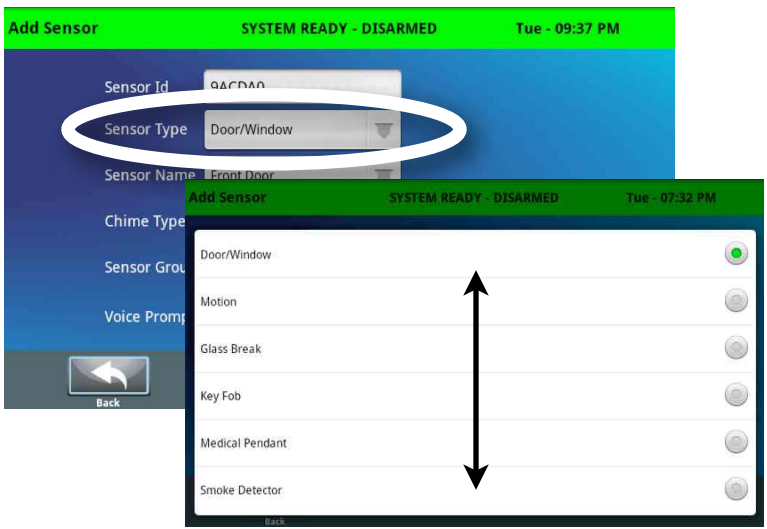
SENSOR TYPES

When adding or editing security devices you can choose from the following sensor types:

Door/Window
Motion
Glass Break
Key Fob
Medical Pendant
Smoke Detector
CO Detector
Hardwire Translator
Wireless Translator
Heat
Water
Freeze
Tilt
Image Sensor



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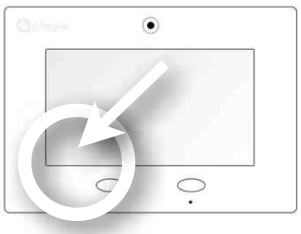

Settings

Installation

Security Sensors

AutoLearn Sensor

☑ Installer Code Access
☐ Master Code Access

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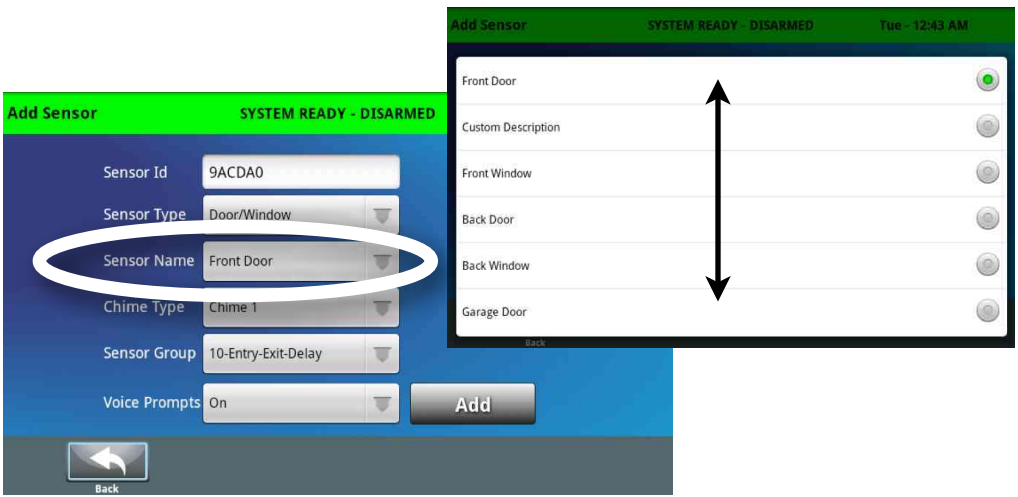
SENSOR NAME

When you select the sensor name field you can choose from a variety of preset sensor names by scrolling up and down or to create a custom description.



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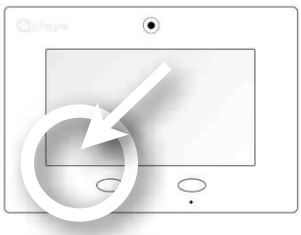

Settings

Installation

Security Sensors

AutoLearn Sensor

- [x] Installer Code Access
- [ ] Master Code Access

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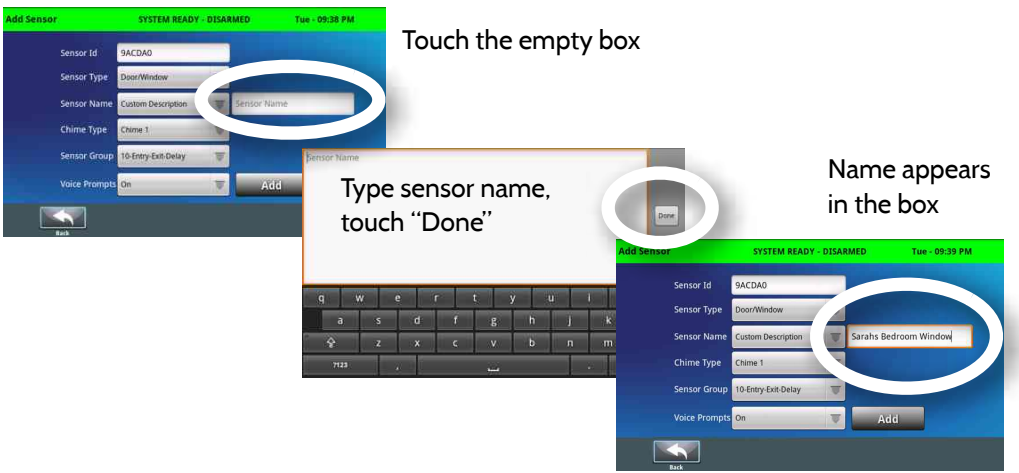
SENSOR NAME: CUSTOM DESCRIPTION

To create a custom description on the blank field and the android keyboard will appear. Type in the desired name (up to 24 characters, alphanumeric only, no special characters) and click "Done."



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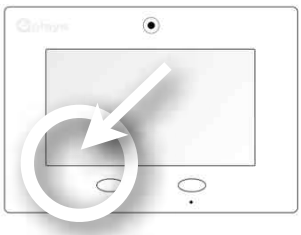

Settings

Installation

Security Sensors

AutoLearn Sensor

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- [ ] Master Code Access

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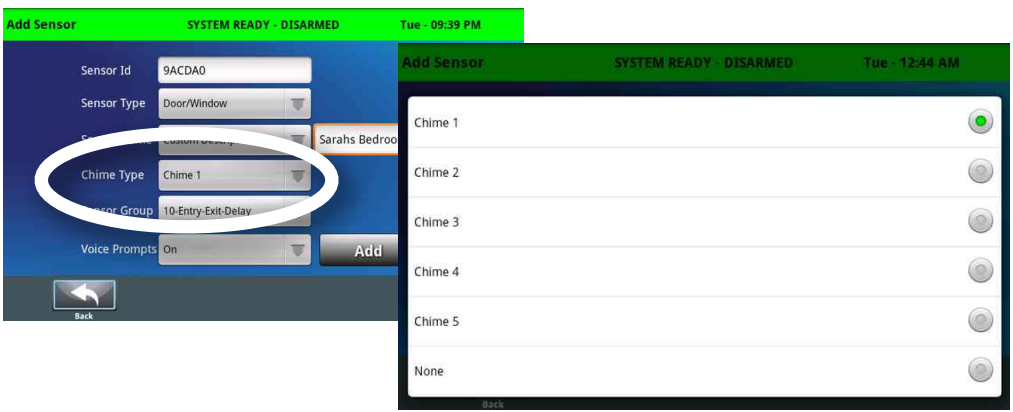
CHIME TYPE

Because of the dynamic nature of the way the IQ panel pairs and understands each individual sensor, you can program each to have a unique chime or even turn chiming off for that individual sensor. To customize your chime for a particular sensor touch the chime type button and choose from the list. Currently there are 5 different chimes, but this may change as software updates are installed on the panel.



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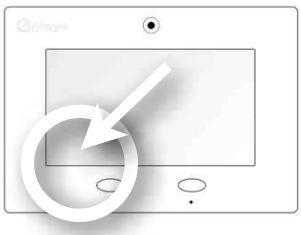

Settings

Installation

Security Sensors

AutoLearn Sensor

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- [ ] Master Code Access

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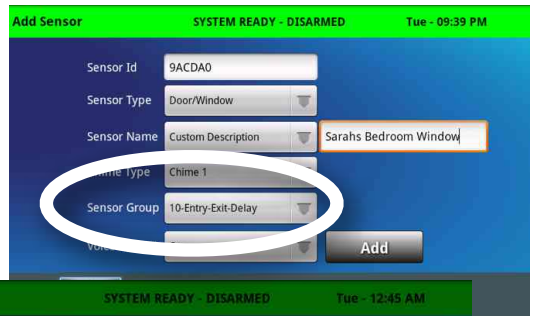
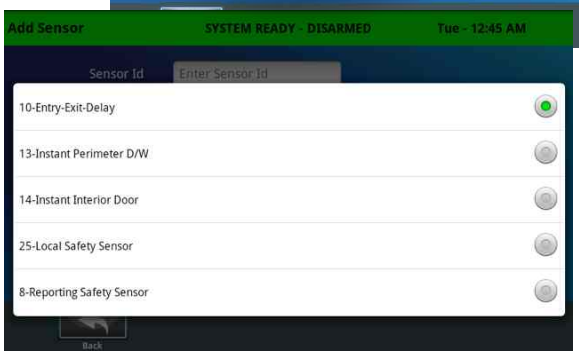
SENSOR GROUP

Customizing the sensor group will change the behavior of the panel. Sensor groups are tied directly to your sensor type, so only the groups available for that type of sensor will be displayed. To edit sensor group, touch the "Sensor Group" button.

You can find a full list of sensor groups on the panel inside the "Sensor Groups" app under "Security Sensors."

You can also find descriptions of how these sensor groups behave on the following pages.





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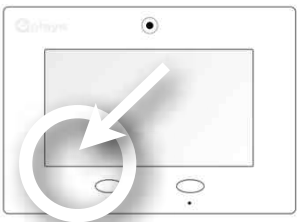

Settings

Installation

Security Sensors

AutoLearn Sensor

☑ Installer Code Access
☐ Master Code Access

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SENSOR GROUPS

DOOR/WINDOW

GROUP	NAME	SUPERVISED	SCENARIO
10	Entry-Exit- Normal Delay	Y	Allows you to **exit during countdown** after selecting arming type and **when opened starts countdown** before triggering alarm. Times determined by "Normal Entry-Exit Delay" in "Timers" app.
12	Entry-Exit- Long Delay	Y	Allows you to **exit during countdown** after selecting arming type and **when opened starts countdown** before triggering alarm. Times determined by "Long Entry-Exit Delay" in "Timers" app.
13	Instant Perimeter D/W	Y	Door or window that **triggers alarm instantly** when system is armed
14	Instant Interior Door	Y	Interior door that **triggers alarm instantly** when system is armed
25	Local Safety Sensor	Y	Regardless of arming state, this sensor **triggers a chime** if it is opened (**non-reporting to central station**) Great for medicine cabinets, pool gates, chemical storage, etc.
8	Reporting Safety Sensor	Y	Regardless of arming state, this sensor **triggers an alarm** if it is opened. Perfect for gun safes, valuables safe, etc.

MOTION/IMAGE SENSOR

GROUP	NAME	SUPERVISED	SCENARIO
17	Away- Instant Motion	Y	Used when armed in "**Away**"mode to **trigger the alarm immediately** when motion is detected
15	Stay- Instant Motion	Y	Used when armed in "**Stay**"mode to **trigger the alarm immediately** when motion is detected
35	Stay- Delay Motion	Y	Used when armed in "**Stay**"mode to **trigger a countdown** when motion is detected
20	Away- Delay Motion	Y	Regardless of arming state, this sensor **triggers a chime** when it detects motion
25	Safety Motion	Y	Triggers a **local** alarm if motion is detected regardless of arming state (non-reporting to central station)

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GLASS BREAK

GROUP	NAME	SUPERVISED	SCENARIO
13	Glass Break	Y	Arms IQ Glass in both “Stay” and “Away” mode
17	Glass Break -Away Only	Y	Arms IQ Glass in “Away” mode only

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KEY FOB/MEDICAL PENDANT

GROUP	NAME	SUPERVISED	SCENARIO
1	Mobile Intrusion	N	**Worn or carried**, the button(s) is/are programmed to trigger a **police panic**
0	Fixed Intrusion	Y	Installed in a **fixed location** such us under a desk, the button(s) is/are programmed to trigger a **police panic**
2	Fixed Silent	Y	Installed in a **fixed location** such us under a desk, the button(s) is/are programmed to trigger a **silent police panic**
6	Mobile Medical	N	**Worn** as a wrist watch or pendant, the button(s) is/are programmed to trigger a **medical panic**
4	Fixed Medical	Y	Installed in a **fixed location** such us under a desk, the button(s) is/are programmed to trigger a **medical panic**

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SMOKE DETECTOR/HEAT

GROUP	NAME	SUPERVISED	SCENARIO
26	Smoke-Heat	Y	Triggers an alarm when sensor detects smoke/rapid rise in heat.

CO DETECTOR

GROUP	NAME	SUPERVISED	SCENARIO
34	CO	Y	Triggers an alarm when sensor detects Carbon Monoxide.

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HARDWIRE TRANSLATOR

GROUP	NAME	SUPERVISED	SCENARIO
13	Takeover	Y	Triggers an alarm when sensor is tampered in “Stay” or “Away” mode

WIRELESS TRANSLATOR

GROUP	NAME	SUPERVISED	SCENARIO
13	Translator	Y	Triggers an alarm when sensor is tampered in “Stay” or “Away” mode

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WATER

GROUP	NAME	SUPERVISED	SCENARIO
38	Water Sensor	Y	Triggers an alarm when sensor detects presence of water

Please note: When you select "Water" as your sensor type you will be given two additional options under "Sensor Sub-Type"

If you are pairing the IQ TempH20, use "Multi-Function-1"
All other sensors, use "Flood-2"

FREEZE

GROUP	NAME	SUPERVISED	SCENARIO
52	Freeze	Y	Triggers an alarm when sensor detects low temperatures

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SENSOR GROUPS

TILT

GROUP	NAME	SUPERVISED	SCENARIO
10	Entry-Exit- Normal Delay	Y	Allows you to **exit during countdown** after selecting arming type and **when opened starts countdown** before triggering alarm. Times determined by "Normal Entry-Exit Delay" in "Timers" app.
12	Entry-Exit- Long Delay	Y	Allows you to **exit during countdown** after selecting arming type and **when opened starts countdown** before triggering alarm. Times determined by "Long Entry-Exit Delay" in "Timers" app.
25	Garage Tilt- Safety Tilt	Y	Panel will **chime** if the garage is opened, regardless of arming state (non-reporting)

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VOICE PROMPT

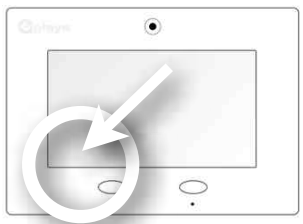
Voice prompts annunciate the sensor name when the sensor is opened or tripped.*

For door/window sensors, voice prompts are defaulted to "ON". For most other sensors the default is "off." To change this simply touch the Voice Prompt button and make the desired adjustment (on/off).

With the IQ Panel you can toggle each of these on or off for each individual sensor, leaving voice prompts on some doors while turning them off on others.

NOTE: Sensors programmed as "Safety Sensors" will also audibly report when they have been closed.

FIND IT



Settings

Installation

Security Sensors

AutoLearn Sensor

☑ Installer Code Access
☐ Master Code Access

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Z-WAVE DEVICES

Z-Wave Devices
In the Z-Wave device app you add, edit, or remove Z-Wave devices.

Add Device
Pair new devices

Edit Device
Make changes to existing devices

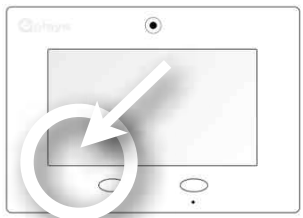
Clear Device
Clears or resets the memory of a Z-Wave device. (Does not clear the panel's memory and requires you touch the "Pair" button on the device)

Delete Device From Panel
Remove a Z-Wave device from the IQ Panel's memory (does not clear the device's memory or require you to have the device)

Remove All Devices
Delete all Z-Wave devices from the IQ Panel's memory

Rediscover Network
Reconnect to each device by re-establishing the Z-Wave mesh network.

FIND IT



Settings

Installation

Z-Wave Management

Z-Wave Devices

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☐ Master Code Access

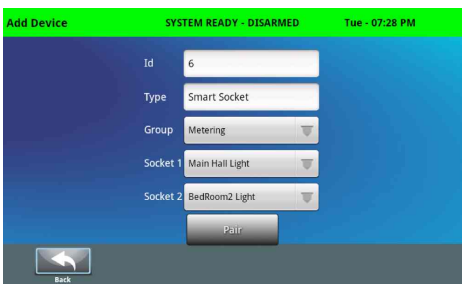
ADD DEVICE

1. Select "Add Device"

2. Touch "Pair"

3. Press the "Tamper" or "Learn" button on the device when the message appears.

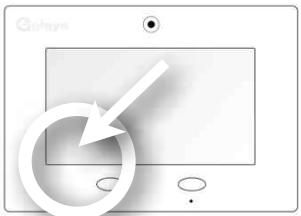
4. Click "Add" to save the information and complete the process.



5. Adjust the sensor information by touching the fields and making the appropriate selections.

6. Click "Pair" to save the information and complete the process. Adjustments can be made later from "Edit Device" app

FIND IT



Settings

Installation

Z-Wave Management

Z-Wave Devices

Add Device

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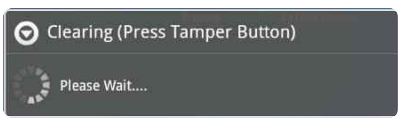
☐ Master Code Access

CLEAR DEVICE

Clears the memory of a Z-Wave device so it can be paired with the IQ Panel.



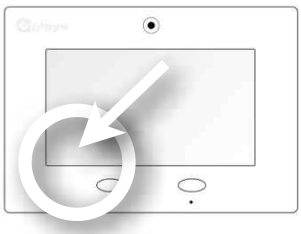
Press the button on the Z-Wave device to complete the process. *(Note: this does not clear the panel's memory)*

DELETE DEVICE FROM PANEL

Removes a Z-Wave device from panel memory.

Select the check mark next to the device and touch "Delete." *(Note: this does not clear the device's memory)*

FIND IT



Settings

Installation

Z-Wave Management

Z-Wave Devices

REMOVE ALL DEVICES

Touching this will remove all existing Z-Wave devices from your panel's memory. *(Note: this does not clear the memory of the individual devices)*

☑ Installer Code Access
☐ Master Code Access

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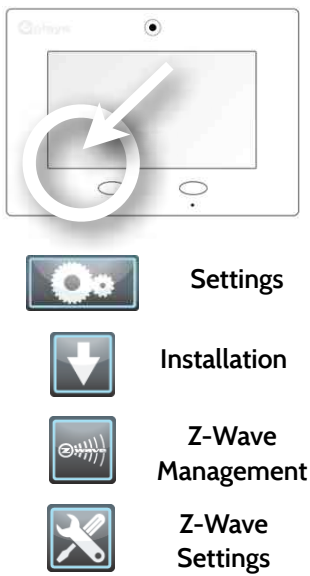
Z-WAVE SETTINGS

The Z-Wave Settings allows an installer to set the maximum number of Z-Wave devices allowed on the IQ Panel in each of 4 categories.

Setting	Default	Description
Thermostats	3	Maximum number of supported Thermostats the panel will allow (1-5)
Smart Sockets	5	Maximum number of supported IQ Smart Sockets the panel will allow (1-18)
Lights	5	Max number of supported Z-Wave light modules the panel will allow (1-18)
Door Locks	2	Maximum number of supported Z-Wave Door Locks the panel will allow (1-6)
Allow Master Code Z-Wave Settings	Disabled	Allow Master User Code to access Z-Wave Settings
Allw Master Code Z-Wave Management	Disabled	Allow Master User Code to access Z-Wave device installation settings
Z-Wave	Disabled	Activate or deactivate Z-Wave radio

FIND IT



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☐ Master Code Access

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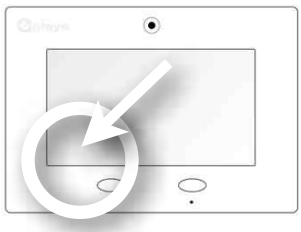
TIMER

The timers indicate how much time allowed by entry and exit delays.

Setting	Default	Description
Normal Entry-Exit Delay	Entry: 30 Exit: 60	**Entry Delay:** How much time users have to enter their code after opening a door programmed as an Normal Entry/Exit delay door When SIA Limits enabled: 30 to 240 seconds When SIA Limits disabled: 05 to 240 seconds **Exit Delay:** How much time users have to exit the location before the panel arms itself. When SIA Limits enabled: 45 to 254 seconds When SIA Limits disabled: 05 to 254 seconds
Long Entry-Exit Delay	Entry: 30 Exit: 60	

FIND IT



Settings

Installation

Timer

☑ Installer Code Access
☐ Master Code Access

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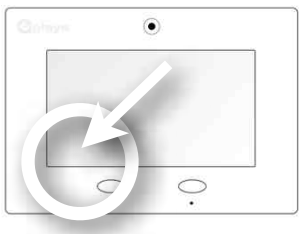
SOUND

The IQ panel sound settings can be found here as well as inside the "apps" section of the panel on the home screen. Master Code has access to this section as well as installer code.

Setting	Description
Volume	Controls the master volume for the entire panel and all its audible functions (except siren) including tones, videos, voice chimes, etc
Edit Chimes	Allows you to select from various chimes for each individual device.
Voice Settings	Indicates whether the panel should "speak." Sensors, Panel messages and Safety Sensors can all be toggled independently. *(unchecking box disables feature)*
Chime Settings	Indicates whether the panel should emit tones/beeps. Sensors, Panel and Safety Sensors can all be toggled independently. *(unchecking box disables feature)*

FIND IT



Settings

Installation

Sound

☑ Installer Code Access
☑ Master Code Access

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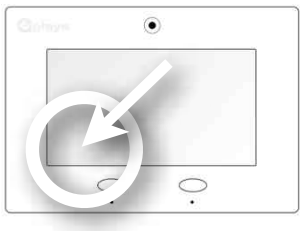
SOUND

Setting	Description
All Trouble Beeps	Toggles all sensor and panel trouble beeps on or off
Sensor Low Battery	Emits a chime when a sensor reports a low battery. Chime type and frequency are set below.
Sensor Tamper Beeps	Emits a chime when a sensor reports that it has been tampered. Chime type and frequency are set below.
Panel Tamper Beeps	Emits a chime when a sensor reports that it has been tampered. Chime type and frequency are set below.
Edit Trouble Beep Chimes	Select the chime type for Sensor Low Battery, Sensor Tamper, and Panel Tamper chimes.
Trouble Beeps Timeout	Determines the amount of time between each trouble beep emitted. Time can be set between 3-60 minutes. (Default is 3 minutes.)

FIND IT



Settings

Installation

Sound

☑ Installer Code Access
☑ Master Code Access

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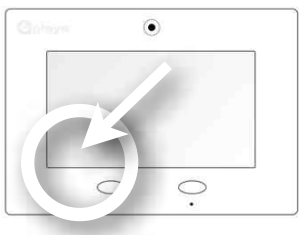
SYSTEM LOGS

System logs allow the panel to send non-customer identifying information to the server for troubleshooting and bug identification.

Setting	Default	Description
Upload logs to the server	*Requires manual push*	Tell the panel to begin uploading a history of it's activity to the server. This information is used to troubleshoot bugs and diagnose panel problems. The panel will upload any logs saved in it's memory
Auto Upload Logs	Disabled	Automatically upload the system logs to the servers every 2 hours
Log Level	Error	Tell the panel how much information to record in log files. **No log output:** No information recorded **Fatal**: Record fatal or severely problematic information only **Error**: Record all errors and fatal issues **Warn**: Record warnings, errors, and fatal issues **Info**: Record all generic, non-customer related information **Debug**: Record diagnostic messages, Info, Warnings, Errors, and Fatal issues **Verbose**: Record all non-customer identifying information

FIND IT



Settings

Installation

System Logs

☑ Installer Code Access
☐ Master Code Access

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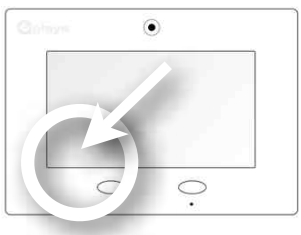
UPGRADE SOFTWARE

The IQ panel can upgrade it software using one of three channels: Wi-Fi, cellular, or SD card.

Setting	Description
Delete All Sensors and Devices	Erases all the security sensors and Z-Wave devices from the system's memory.
Upgrade Using Network	Search the network for updates and install new software
Upgrade Using SD Card	Search an inserted SD Card for updates and install new software
Https Upgrade	When **enabled**, you can manually enter a "patch tag" to locate a specific software update. When **disabled** you can manually enter the working directory of the desired software update.
Patch Tag	A code corresponding to a specific software update on the server. *(Note: Only displayed when "https Upgrade" is enabled.)*
Working Directory	A code corresponding to a specific working directory on the server. *(Note: Only displayed when "https Upgrade" is disabled.)*

FIND IT



Settings

Installation

Upgrade Software

☑ Installer Code Access
☐ Master Code Access

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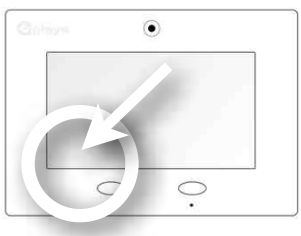
UPGRADE SOFTWARE

Setting	Description
Automatic Upgrade	Allow the panel to update software itself as new versions become available
Automatic Upgrade Interval	Determine how often the IQ Panel should look for software updates on the server. *(Default is every 24 hours)*

FIND IT



Settings

Installation

Upgrade Software

- [x] Installer Code Access
- [ ] Master Code Access

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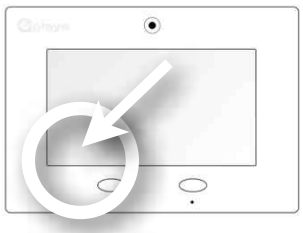
SECURITY SETTINGS

FIND IT



Settings

Installation

Security Settings

- [x] Installer Code Access
- [ ] Master Code Access

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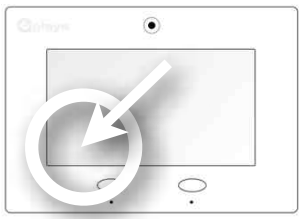
SIREN AND ALARMS

Setting	Default	Description
Disable Siren	Disabled	Turn internal piezo siren (and external siren, if connected) on or off
Fire Verification	Disabled	When disabled, fire alarm is triggered with a single fire event from smoke detector. When enabled, panel requires two fire events from smoke detector (one detector twice or two detects once each)
Severe Weather Siren Warning	Enabled	When enabled, siren will sound when the panel receives a severe weather alert. When disabled, panel will use severe weather chime
Dialer Delay	:30	Amount of time (in seconds) before panel will attempt call to central station after an alarm event is triggered When SIA Limits enabled: :15 to :45 seconds When SIA Limits disabled: :05 to :254 seconds
Siren Timeout	4 min	Determine how long before siren stops sounding during an alarm event (4 minutes to 8 minutes)
Allow Master Code To Access Siren and Alarms	Disabled	Allow the master code to access these features and settings

FIND IT



Settings

Installation

Security Settings

Siren and Alarms

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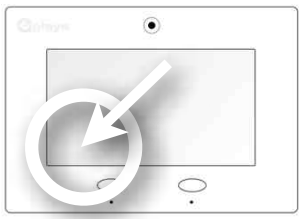
☐ Master Code Access

SECURITY AND ARMING

Setting	Default	Description
Installer Code	1111	Code to access installer options in settings
Duress Authentication	Disabled	Toggle whether or not to allow duress codes
Secure Camera	Enabled	Require user code to access camera app
Secure Delete Images	Enabled	When enabled and "Secure Camera" is disabled, panel requires user code to delete disarm photos and Image Sensor images. When disabled no user code is required to delete images
Secure Arming	Disabled	Require user code for arming panel
Refuse Arming When Battery Low	Disabled	Will not allow panel to arm if battery is low (below 30%)
Auto Bypass	Enabled	Toggle whether or not to bypass open or tampered sensors automatically
Auto Stay	Enabled	If panel is armed "Away" but a delay door is not opened, the panel assumes you are still home and changes arming to "Stay" mode
Arm Stay No Delay:	Enabled	Arm stay immediately with no countdown timer

FIND IT



Settings

Installation

Security Settings

Security and Arming

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☐ Master Code Access

SECURITY AND ARMING

Auto Exit Time Extension	Enabled	Automatically extend countdown timer if delay door is opened during countdown process a second time
Keyfob No Delay	Enabled	When enabled, the key fob will arm and disarm the system instantly. When disabled, the key fob will use the normal exit delay. When disabled, disarming will still be instantaneous.
Allow Master Code to Access Security and Arming	Disabled	Allow the master code to access these features and settings

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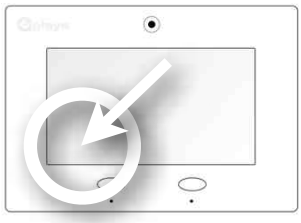

Settings

Installation

Security Settings

Security and Arming

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☐ Master Code Access

IMAGE SETTINGS

Setting	Default	Description
Disarm Photos	Enabled	When enabled, the built-in camera will take a single photograph when a user disarms the panel. When disabled, the panel will not capture images upon disarm.
Alarm Videos	Enabled	When enabled, the built-in camera will record up to 4 min of video during security alarm events. When disabled, the panel will not capture video during alarm events. Alarm videos are not recorded during Emergency button, panel panics, key fob or medical pendant events.
Video Memos	Enabled	When enabled, the user can access the "video memo" feature inside the camera app. When disabled, the user will not have access to this feature.
Allow Master Code to Access Image Settings	Disabled	Allow the master code to access these features and settings

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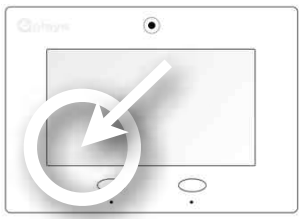

Settings

Installation

Security Settings

Image Settings

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SYSTEM TESTS

SYSTEM TESTS

System Tests
There are several tests you can run to ensure the system is operating properly.

Wi-Fi Test
Test the panel's connection to the wireless (Wi-Fi) network

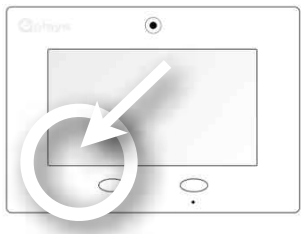
Sensor Test
Test the panel's communication with individual security sensors

Cellular Test
Test the panel's connection to the cellular network

Image Sensor Test
Test the panel's connection to Image Sensors

Z-Wave Test
Test the panel's communication with individual Z-Wave devices

FIND IT



Settings

Installation

System Tests

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- [x] Master Code Access

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WI-FI TEST

Wi-Fi Test
The Wi-Fi test checks the IQ panel's connection to your network. Before running this test, be sure to connect the panel to the network. See "customization" section for directions on connecting to Wi-Fi.

To perform a Wi-Fi Test, touch the "Run" button.

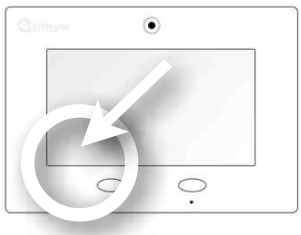
Test Name	Test Result	Test Time	
Wi-Fi			Run

Successful test will result in a "Pass" result and indicates the day and time of the test.

Test Name	Test Result	Test Time	
Wi-Fi	Pass	13-08-2013 01:09:11 AM	Run

Note: If test fails, please check your Wi-Fi settings.

FIND IT



Settings
Installation
System Tests
Wi-Fi Test

- [x] Installer Code Access
- [x] Master Code Access

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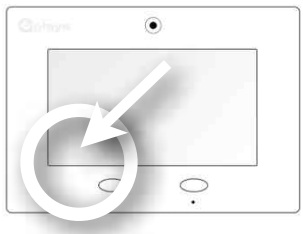
SENSOR TEST

Sensor Test
The panel can test its connection and communication to individual security sensors. Before this test can be effective, you must pair at least one security sensor with the system.

Start Test
Before you begin a sensor test you will see a list of available sensors on the screen. "Tampering" or opening a sensor will test it's connection to the panel.

No	ID	Name	Result	Last Run Time
1	7604A0	Side Garage Door		
2	7804A0	Garage Door	Excellent (100.0 %)	8:47 pm, February 12, 2014

FIND IT



Settings

Installation

System Tests

Sensor Test

☑ Installer Code Access
☑ Master Code Access

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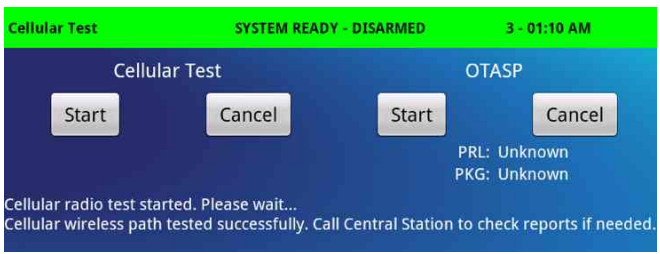
CELLULAR TEST

Cellular Test

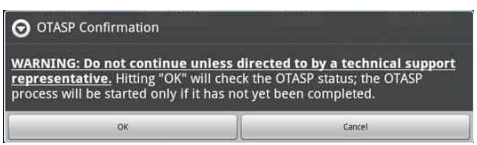
The panel's built in cellular module can test it's connection to the cellular network. Before this test can be effective, you must activate the cellular module by creating an alarm.com account.

To begin the test press "Start" and watch for the results on the screen.

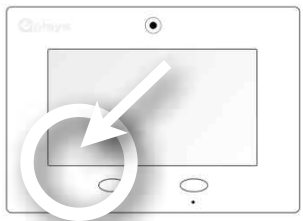


OTASP

If you have a CDMA panel the OTASP function is used to register the built in CDMA module with the Verizon network. This should already have been completed at the factory and if attempted will generate a pop up warning.


OTASP Confirmation
WARNING: Do not continue unless directed to by a technical support representative. Hitting "OK" will check the OTASP status; the OTASP process will be started only if it has not yet been completed.
OK
Cancel

FIND IT



Settings

Installation

System Tests

Cellular Test

- [x] Installer Code Access
- [x] Master Code Access

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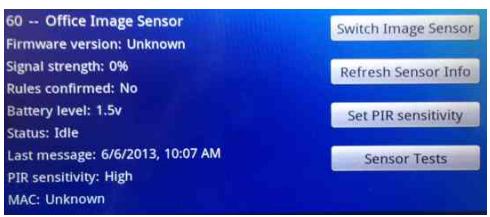
IMAGE SENSOR TEST

Image Sensor Test

The panel can test it's connections to Image Sensors to ensure they are communicating properly and can take photos as desired.

Step 1: Touch "View"

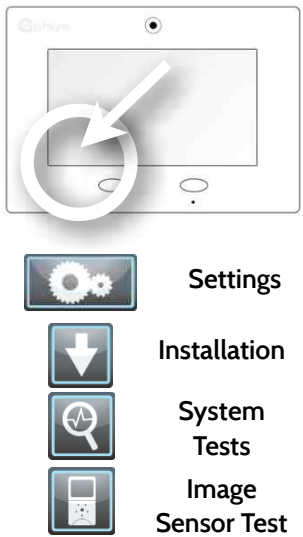


Step 2: Tap "Sensor Tests"

Step 3: Select the test you want to run.
PIR Test checks the motion sensor
Request Peek In tests the camera (check results in Camera App)

PIR Test
Click the button below to start a PIR test. This test will help you to confirm whether or not the PIR (passive infrared) detector on the Image Sensor is working properly.
Start PIR Test
Installer Peek-In
Click the button below to request an installer peek-in on this Image Sensor. The peek-in will not count towards your monthly upload limit.
Request Peek-In

FIND IT



- ☑ Installer Code Access
- ☑ Master Code Access

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Z-WAVE TEST

Z-Wave Test
The panel can test it's connections to Z-Wave devices to ensure they are communicating properly.

To perform a Z-Wave Test, touch the "Run" button.

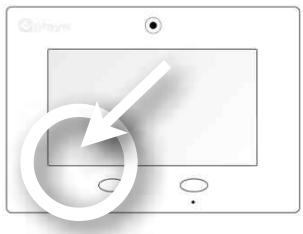
Id	Type	Status	Test Time	Run
4	Smart Socket	Normal	0	Run

Successful test will result in a "Normal" result and indicates the day and time of the test.

Id	Type	Status	Test Time	Run
4	Smart Socket	Normal	03-06-2013 04:15:16 PM	Run

Note: If test fails, please delete the device and re-pair it with the panel.

FIND IT



Settings

Installation

System Tests

Z-Wave Test

☑ Installer Code Access
☑ Master Code Access

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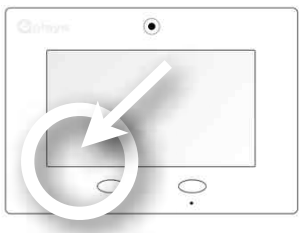
CUSTOMIZATION

SYSTEM SETTINGS

Use system settings to connect to Wi-Fi, adjust sound settings, turn brightness up or down, and safely eject your SD card

Setting	Description
Wi-Fi	Connect to the local network using the panel's Wi-Fi
Sound	Adjust the volume and other sound settings on the panel
Brightness	Adjust the brightness of the panel's LCD
SD Card	Display total space, available space and the option to unmount an inserted SD Card
Date & Time	Manually adjust the panel's date and time

FIND IT



Settings

System Settings

☑ Installer Code Access
☑ Master Code Access

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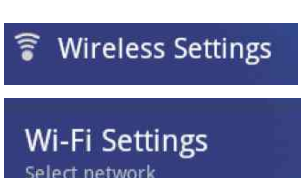
HOW TO CONNECT TO WI-FI

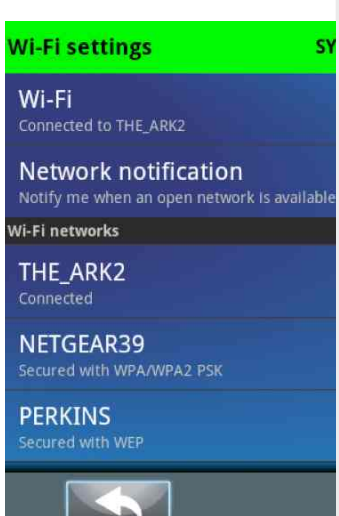
To connect to a Wi-Fi network, follow the steps below:

Touch "Settings"

Touch "System Settings"

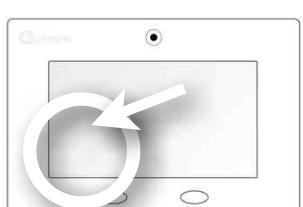


Touch "Wireless Settings" followed by "Wi-Fi Settings"



Any available networks will appear under "Wi-Fi Networks"
Select the desired network
Enter the password (if required)

FIND IT



Settings

System Settings

- [x] Installer Code Access
- [x] Master Code Access

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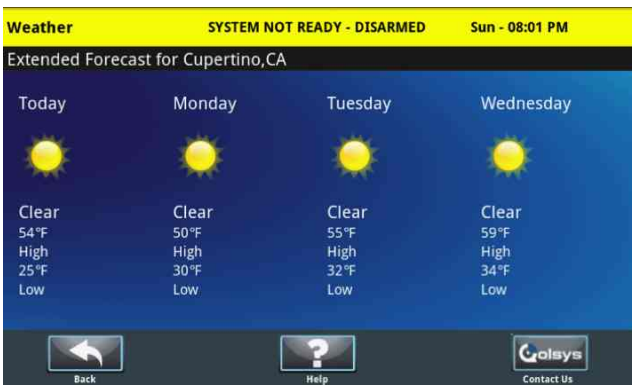
WEATHER

TODAY'S FORECAST

Today's forecast is displayed on the weather icon with a graphical representation of precipitation and High and Low temps.



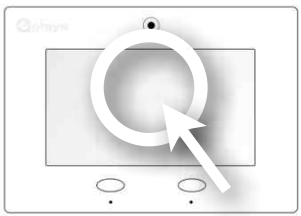
4-DAY FORECAST

Touch the weather icon to get a four day forecast. This information is updated once per day via Alarm.com services.

LOCATION

Weather reporting is based on location as indicated by the zip code entered into Alarm.com when the account is created.

FIND IT



Weather

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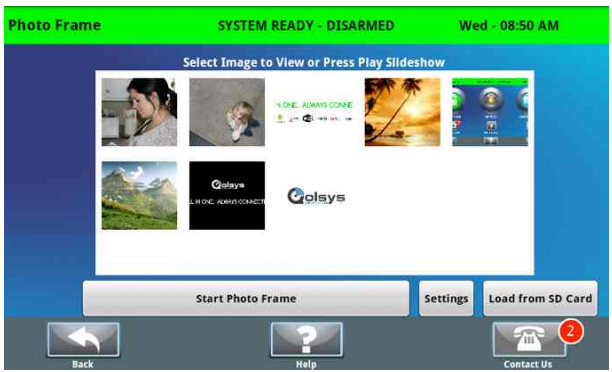
PHOTO FRAME

PHOTO FRAME

When you open the Photo Frame app, you will see thumbnails of the images saved in the panel, as well as buttons to play slideshow now, edit your settings, and load new images.



START PHOTO FRAME

Starts Photo Frame immediately

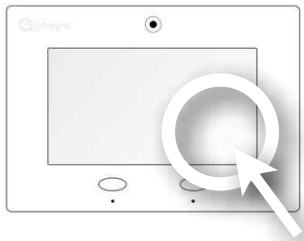
SETTINGS

Toggle settings like slide transition, duration, effects, etc.

LOAD FROM SD CARD

Add your own photos

FIND IT



Apps

Photo Frame

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LOAD IMAGES FROM SD CARD

Insert card with the label facing you

Card will slide all the way in.
To remove, push gently and card will spring out.

To load new images from an SD card:

1- Load photos* onto an SD Card
2- Insert the SD Card into the panel
3- Open the "Photo Frame" app
4- Press "Load from SD Card"
5- Choose "Replace" or "Add"

6- Wait for the images to load
7- Once loaded, you can press "Start Photo Frame" to test.

NOTE: Before removing the SD Card, go to "Settings" then touch "System Settings" then "SD Card" and select "Unmount"

FIND IT

SD Card Slot:
Left side of panel behind bezel

Photo requirements:

-JPEG
-800x480 pixels (or less)
-No larger than 1MB each
-No more than 20 images
-Saved in folder entitled "Photos"

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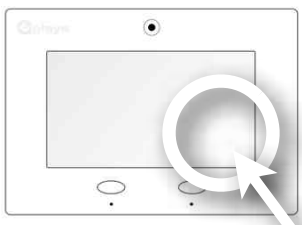
PHOTO FRAME SETTINGS

Item	Default	Description
Duration	1 minute	How long each image will show before transitioning to the next image in the library (1, 2, or 5 minutes)
Effect	Dissolve	Transition effect used between each image (fade to black, dissolve)
Shuffle	Enabled	Display pictures in random or sequential order
Display Type	Photo Frame	Choose what to display on the screen when the panel is not in use. (Off, Photo Frame)
Photo Frame Start Time	10 minutes	Choose the amount of time to wait after the last touch before starting the selected display type. (5, 10, 15, 20, 25, or 30 minutes)
Automatically turn off display	11:00 PM	Determines the time when the display shuts down completely. (use this feature to turn off the LCD at night)
Automatically turn on display	6:00 AM	Determines the time when the display "wakes up" after sleeping. (use this feature to turn the LCD back on in the morning)

FIND IT



Apps

Photo Frame

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CUSTOM NAMES

1. Select the "Sensor Name" field

2. Select "Custom Description" from the available choices. NOTE: You may need to scroll up or down to find this option

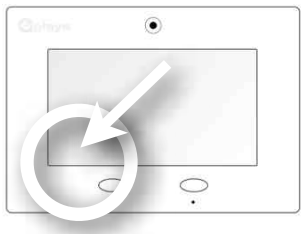
3. A blank field will appear next to "Custom Description" Tap this field with your finger.

4. Use the keypad to type the sensor name (24 characters max)

5. Tap "Done" to exit keyboard

6. Remember to touch "Save" or "Add" to complete the process and save your changes.

FIND IT



Settings

Edit Sensor

☑ Installer Code Access
☑ Master Code Access

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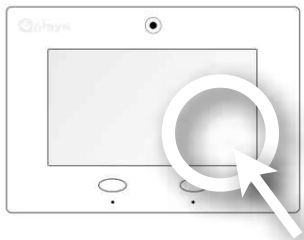
EDIT CHIMES

When you select "Edit Chimes" you will see a list of all the sensors learned into the panel

Selecting the "Edit" icon allows you to see the current chime type and "Play" the chime. To change it, tap the chime type and select a different chime from the list. When done, touch "Save"

FIND IT



Apps

Sound

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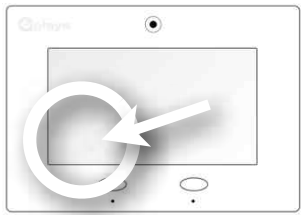
USER MANAGEMENT

The IQ panel can hold up to 242 user codes. Only installers and master users can access this app and once created you can edit all information but user type (Installer, Master, User, Guest)

User Type	Access Level	Expires
Installer	All Settings	n/a
Master	All user-related features and settings, including connecting to Wi-Fi, User Management, and Sensor customization	n/a
User	Arming/disarming, home control, weather	n/a
Guest	Arming/disarming, home control, weather	On the date indicated when created
Duress	Disarming (but sends duress signal to security provider) This user will be disabled unless you turn on "Duress Authentication" under "Security Account"	n/a

FIND IT



Settings

User Management

☑ Installer Code Access
☑ Master Code Access

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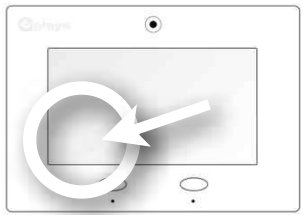
HOME SCREEN APPEARANCE

You can choose from two different layouts for the home screen. The default setting is Theme 2. **PLEASE NOTE: THE DIRECTIONS IN THIS MANUAL ARE BASED ON THEME 2. CHANGING THIS SETTING MAY ALTER THE LOCATIONS OF APPLICATIONS DESCRIBED IN THIS MANUAL**

Theme 1
Six icons along the bottom of the home screen.

Theme 2
Three icons along the bottom of the home screen.

FIND IT



Settings

Installation

Security Account

☑ Installer Code Access
☐ Master Code Access

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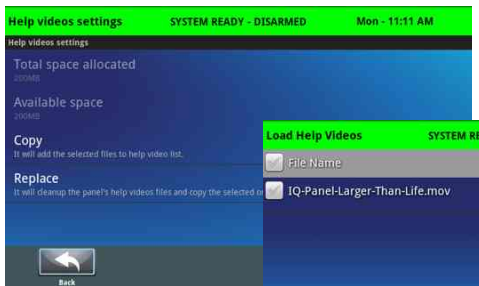
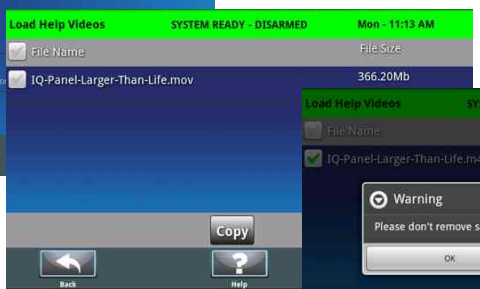
LOAD HELP VIDEOS

You can load new help videos using an SD Card.

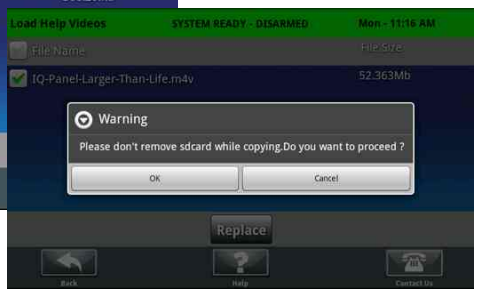

Help videos settings
SYSTEM READY - DISARMED
Mon - 11:11 AM
Help videos settings
Total space allocated
Available space
Copy
It will add the selected files to help video list.
Replace
It will cleanup the panel's help videos files and copy the selected
Back

1- Select whether you want to copy videos onto your panel (adding them to other available videos) or replace all existing videos with new ones.



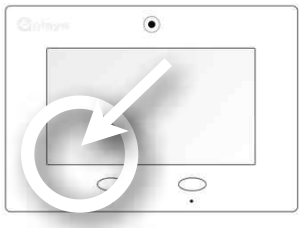
2- Choose the videos you want to put on the panel by checking the boxes next to the video name

Note: Videos must be MOV, MP4, or M4V format, under 200mb total, and look best when in a 800x350 aspect ratio



3- Click "OK" to continue. Once complete, the video will appear in your video library

FIND IT



Settings

Load Help Videos

- [x] Installer Code Access
- [ ] Master Code Access

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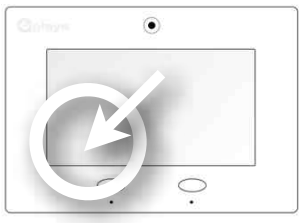
TROUBLESHOOTING

ABOUT

Item	Description
Battery Status	Displays whether the battery is disconnected, charging, or full
Battery level	Displays the percentage of charge currently within the battery
Battery voltage	Displays the current number of volts held by the battery
Software version	Displays the panels current software version for both the user interface and the alarm.com integration
Linux Version	Shows which version of linux the panel has installed
Android version	Shows which version of Android the panel has currently installed
Android System Version	Shows which version of the Android system the panel has currently installed
Hardware version	Displays the version of the panel hardware
System PIC Version	Displays the panel's PIC version

FIND IT



Settings

About

- [x] Installer Code Access
- [x] Master Code Access

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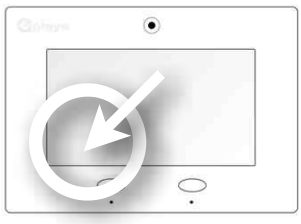
ABOUT

Item	Description
PCA Serial Number	Shows the panel's PCA serial number
ICCI ID	Displays the panel's ICCI ID number
System Part Number	Displays the Qolsys part number for the device
System Serial Number	Displays the system's serial number
RF PIC Version	Displays the system's RF PIC version
EEPROM Format Version	Displays the system's EEPROM format version
Patch Description	Shows all applied software patches, when they were installed and the status of each
Last Upgrade Date	Shows the date and time of the last software update
MAC Address	Displays the panel's individual MAC address

FIND IT



Settings

About

- [x] Installer Code Access
- [x] Master Code Access

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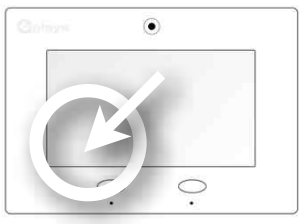
ABOUT

Item	Description
IP Address	Displays the panel's IP Address on your local network (if connected to Wi-Fi)
Panel Up Time	Displays how long the panel has been on since the last reboot
Cellular Signal Strength	Displays the current cellular signal strength
Cellular Connection	Displays the status of true cellular radio
IMEI/MEID	Displays the system's IMEI/MEID. The last 10 digits is the Alarm.com radio serial number

FIND IT



Settings

About

- [x] Installer Code Access
- [x] Master Code Access

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UPGRADE SOFTWARE USING WI-FI

Keeping your panel's software up to date should help fix any known issues and ensure your panel receives new additional features as they are developed.

To perform a software update using Wi-Fi follow the steps below:

1- Ensure your panel is connected to Wi-Fi

2- Touch "Settings" (enter your installer code, default is 1111)

3- Touch "Installation"

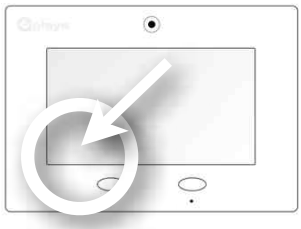
4- Touch "Upgrade Software"

5- Touch "Upgrade Using Network" The IQ Panel will check for the latest software update. If your panel is up to date you will see a message confirming that you have the most recent software version.

6- If a software update IS available the panel will automatically begin downloading it.

7- Once the download is complete a pop up message will appear informing you that in order to install the software you must restart the panel. Touch "okay." Your panel will install the update and automatically restart.

FIND IT



Settings

Installation

Software Update

- [x] Installer Code Access
- [ ] Master Code Access

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AUTOMATIC SOFTWARE UPDATES

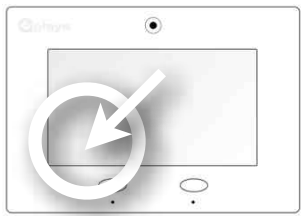
Turning on automatic software updates will allow the panel to install newer versions of the software to fix bugs, add features, and ensure everything runs smoothly. To activate these:

Touch "settings"
Enter Installer code (default is 1111)
Touch "Installation"
Touch "Upgrade Software"
Make sure the "Automatic Updates" button is checked.

SUPPORT

QUESTIONS? Contact us at techsupport@qolsys.com

FIND IT



Settings

Installation

Upgrade Software

☑ Installer Code Access
☐ Master Code Access

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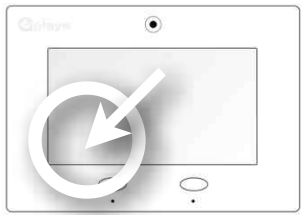
SOFTWARE UPDATE VIA SD CARD

1- Insert an SD card into your computer. *(*We recommend a class 4 or higher SDHC card with 4gb – 16gb storage space)*
2- Download the current software from *dealers.qolsys.com* *(requires login)*
3- Once the file is downloaded, right click the file and select "Unzip" or "Open"
4- Drag all files to your SD card. Delete ANY other files, and safely remove the SD card from your computer
5- Slide your SD card into the slot on the back left of the IQ Panel.
6- Touch "Settings" and enter a valid installer code *(default is 1111)*
7- Touch "Installation"
8- Touch "Upgrade Software"
9- Touch "Upgrade via SD Card"
10- The panel will search the SD Card for the patch and begin downloading it automatically.
11- Once complete touch "OK" to reboot the panel. DO NOT TOUCH THE SCREEN. The process will take about 7 minutes and the buttons may turn red, screen may turn off, etc. After the panel reboots the home screen will appear and the buttons will turn green. For the next 5 minutes the panel will update the backup partition. Do not power down or use the panel during this time
11- Eject the SD Card: ("Settings", enter your installer code (default is 1111), "SD Card" then "Safely Remove"

IMPORTANT: Failure to perform these steps in the proper sequence may result in data corruption and/or panel failure.

FIND IT



Settings

Installation

Upgrade Software

☑ Installer Code Access
☐ Master Code Access

MOVING THE PANEL

If, for ANY reason, you need to move the panel, be sure you have enough battery life to keep the panel running while not connected to A/C power. If you do not, you must shut down the panel's operating system before disconnecting the power supply.

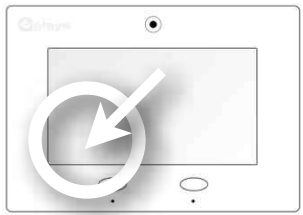
1.Select "Settings" from the home screen
2.Enter the installer or master code.
3.Select "Power Down"
4.Wait for panel LEDs to turn off
5.Disconnect the power

IMPORTANT: Failure to perform these steps in the proper sequence may result in data corruption and/or panel failure.

SUPPORT

QUESTIONS? Contact us at techsupport@qolsys.com

FIND IT



Settings

Power Down

- [x] Installer Code Access
- [x] Master Code Access

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PANEL REBOOT

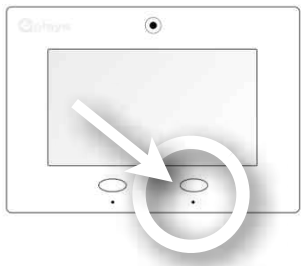
If the panel is experiencing difficulties you can often resolve it by resetting the operating system.
Select "Settings" from the home screen
1.Enter the installer or master code.
2.Select "Panel Reboot"
3.Wait for the panel to restart

IMPORTANT: Failure to follow these steps properly may result in data corruption and/or panel failure.

SUPPORT

QUESTIONS? Contact us at techsupport@qolsys.com

FIND IT



Settings

Panel Reboot

- [x] Installer Code Access
- [x] Master Code Access

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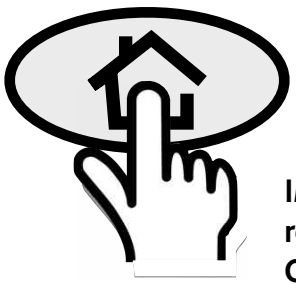
HARD REBOOT

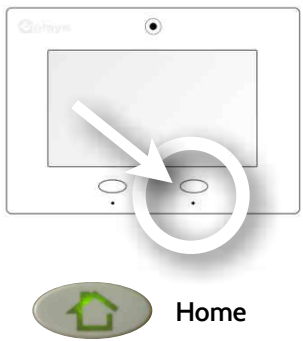
If the panel is frozen or experiencing serious difficulties and you cannot resolve it, you can force the software to reset by pressing and holding the "Home" button for 30 seconds.



x 30 sec

IMPORTANT: Performing a hard reset may result in data corruption and/or panel failure. Only use this when absolutely necessary.

FIND IT



Home

SUPPORT

? **QUESTIONS?** Contact us at techsupport@qolsys.com

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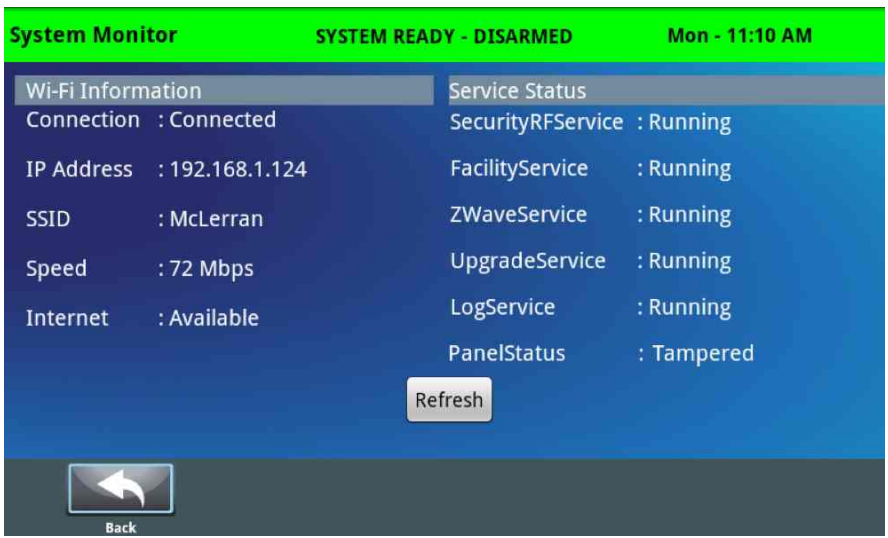
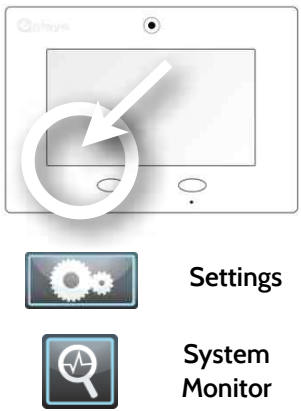
SYSTEM MONITOR

The system monitor allows you to see the Wi-Fi connection and information, as well as the other services running in the panel.



FIND IT



Settings

System Monitor

☑ Installer Code Access
☐ Master Code Access

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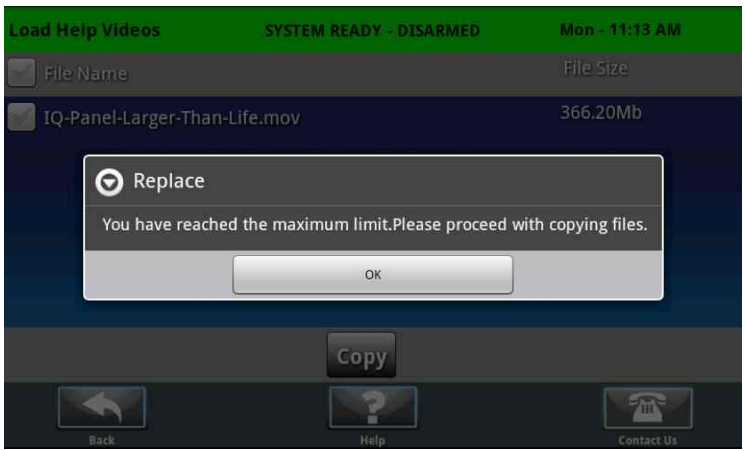
CANNOT LOAD HELP VIDEOS

If your panel cannot load a help video you will receive an error message. Please ensure that your video(s) meet the requirements:

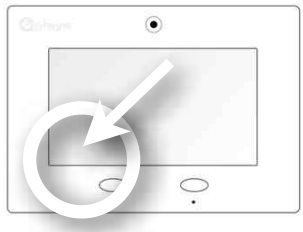
Acceptable File types:
.mov
.mp4
.m4v

Total storage space:
200MB

NOTE: videos look best in aspect ratio
800x350



FIND IT



Settings

Load Help Videos

☑ Installer Code Access
☐ Master Code Access

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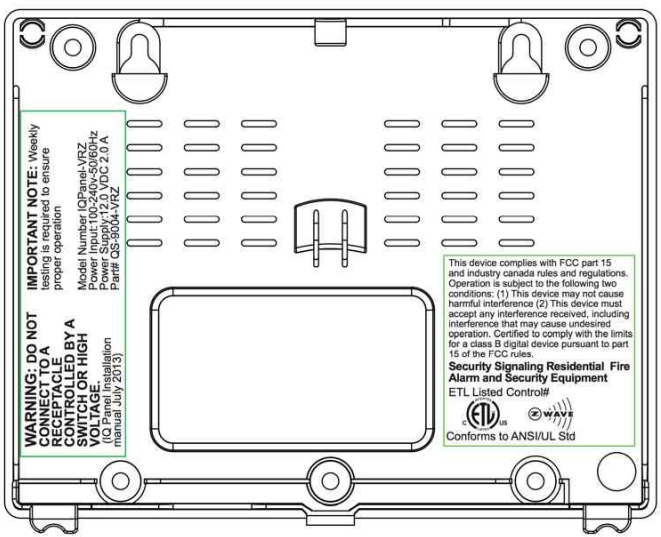
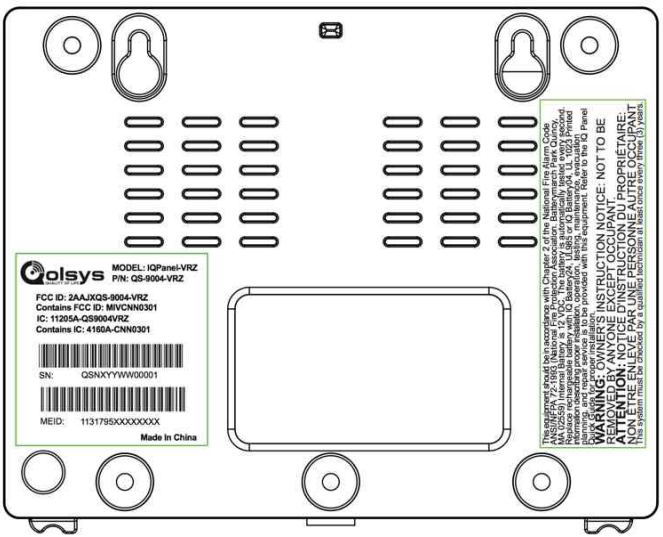
IMPORTANT

Important warning and information can be found on the interior and exterior of the panel's mounting plate.


IMPORTANT NOTE: Weekly testing is required to ensure proper operation
Model Number IQPanel-VRZ
Power Input 100-240V~50/60Hz
Power Supply 5VDC 2.0A
Part# QS-9004-VRZ
WARNING: DO NOT CONNECT TO A RECEPTACLE CONTROLLED BY A SWITCH OR HIGH VOLTAGE.
IQ Panel Installation manual July 2013)
This device complies with FCC part 15 and industry canada rules and regulations. Operation is subject to the following two conditions: (1) This device may not cause harmful interference (2) This device must accept any interference received, including interference that may cause undesired operation. Certified to comply with the limits for a class B digital device pursuant to part 15 of the FCC rules.
Security Signaling Residential Fire Alarm and Security Equipment
ETL Listed Control#
Conforms to ANSI/UL Std


MODEL: IQPanel-VRZ
P/N: QS-9004-VRZ
FCC ID: 2AAJXQS-9004-VRZ
Contains FCC ID: MIVCNN0301
IC: 11205A-QS9004VRZ
Contains IC: 4160A-CNN0301
SN: QSNXYYWW00001
MEID: 1131795XXXXXXXX
Made In China
WARNING: OWNER'S INSTRUCTION NOTICE: NOT TO BE REMOVED BY ANYONE EXCEPT OCCUPANT.
ATTENTION: NOTICE D'INSTRUCTION DU PROPRIÉTAIRE.
ATTENTION: NO RETIRE POR PERSONAL QUE NO SEA EL OCUPANTE.

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IMPORTANT

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

–Reorient or relocate the receiving antenna.
–Increase the separation between the equipment and receiver.
–Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
–Consult the dealer or an experienced radio/TV technician for help.

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IMPORTANT

This Class [B] digital apparatus meets all requirements of the Canadian Interference–Causing Equipment Regulations.
Cet appareil numérique de la classe [B] respecte toutes les exigences du Réglement sur le matériel brouilleur du Canada.

IMPORTANT! Changes or modifications not expressly approved by Qolsys Inc. could void the user's authority to operate the equipment.

CAUTION! This equipment complies with radiation exposure limits set forth for uncontrolled environment. The antenna(s) used for this transmitters must be installed to provide a separation distance of at least 20 cm from all persons and must not be collocated or operating in conjunction with any other antenna or transmitter.
This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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SPECIFICATIONS

Items	Parameters	IQ Panel
Platform	Android OS	Android 2.2.2
LCD Display	Size	7 inch LCD
	Resolution	800x480
	Brightness	320 cd/m2
	RGB	24bit
Touchscreen	Type	Resistive
	Touch Points	Single touch
Wireless	WiFi	WiFi 11b/g/n, 2.4Ghz,1x1
	Zigbee	Proprietary Image Sensor
	Z-Wave	Yes
	Cellular	CDMA 1xRTT (700Mhz)
	Security R/F	319.5 MHz
Flash Memory	Internal Storage	4GB NAND Flash
Input/Output	SD Slot	Standard size x 1, Push-Push
Hardwire	Hardwire zones	2 supervised hardwire inputs (4.7k resistor)
	Hardwire siren out	6-12 VDC @ 120 mA max
LED Indicator	Status LED	2 color LED indicator (green= ready, red= armed)
Speaker	Stereo 1W x 2	Left dedicated speaker for panel sounds and voices
		Right dedicated speaker for 2-way voice

SPECIFICATIONS

Items	Parameters	IQ Panel
Camera	Front Camera	0.3MP, Fixed Focus
Microphone	Microphone	Embedded Omni-directional Microphone + High Gain for 2-way voice
Security	Siren	Built-in Siren with sound pressure level at 91 dba at 3.05m (conforms to UL 1023)
Tamper	Tamper Switch	Panel tamper switch with spring release and reporting to status app
Battery	Type	Lithium ion, 2500mAh capacity
Buttons	Hard Buttons	Emergency Panic, Home
Mechanical	Dimension	8.5x6.5x1.5inch (LxWxH)
	Weight	1.84 lbs (.84 kg)
Power Supply	DC	12V DC Adapter; Power input: 100-240 V-50/60Hz
Instructions	Installation Guide	Quick Install Guide
Mount	Back Plate	Wall-mount bracket (included) or table top stand (not included)
Certification	ETL	40008507
	FCC	2AAJXQS9004VRZ
	IC	1120A-QS-9004-VRZ
	Safety	UL-985, UL-1023, UL-1635, UL-639, UL-498A, UL-634, ULC-634, ULC-S306, CSA-C22.2
Temperature	Operational	-10 to 50 C
	Storage	-40 to 80C

Document#: IQPANEL-IM-02-12
Revision Date: 2/12/14
Qolsys Part #: QS-9004-VRZ
Software version: 1.3.1

Conforms to UL Std. S985, 1023. & 1635
Certified to ULC Sub C1023 & ULC Std S545
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Intertek